

G. DOAPER

Entered

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/246,129A

DATE: 01/18/2000  
TIME: 11:34:19

Input Set: I246129A.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

1 <110> APPLICANT: Yu, Guo-Liang  
2 Ni, Jian  
3 Rosen, Craig A.  
4 <120> TITLE OF INVENTION: Tumor Necrosis Factor Gamma  
5 <130> FILE REFERENCE: PF141P4  
6 <140> CURRENT APPLICATION NUMBER: US/09/246,129A  
7 <141> CURRENT FILING DATE: 1999-02-08  
8 <150> EARLIER APPLICATION NUMBER: 60/074,047  
9 <151> EARLIER FILING DATE: 1998-02-09  
10 <150> EARLIER APPLICATION NUMBER: 09/131,237  
11 <151> EARLIER FILING DATE: 1998-08-07  
12 <150> EARLIER APPLICATION NUMBER: 09/005,020  
13 <151> EARLIER FILING DATE: 1998-01-09  
14 <150> EARLIER APPLICATION NUMBER: 08/461,246  
15 <151> EARLIER FILING DATE: 1995-06-05  
16 <150> EARLIER APPLICATION NUMBER: PCT/US94/12880  
17 <151> EARLIER FILING DATE: 1994-11-07  
18 <160> NUMBER OF SEQ ID NOS: 24  
19 <170> SOFTWARE: PatentIn Ver. 2.0  
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1/18/00

Input Set: I246129A.RAW

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61 acccctctga cctataagaa aattttcagt ctgcaggggg atatccttgt ggcggcaagac 240  
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63 gaccaggag atgccaagtt tctatcactt acctcatgcc tgtaagacaa gtgtttgtt 360  
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71 at atg aga cgc ttt tta agc aaa gtc tac agt ttc cca atg aga aaa 827  
72 Met Arg Arg Phe Leu Ser Lys Val Tyr Ser Phe Pro Met Arg Lys  
73 -25 -20 -15  
74 tta atc ctc ttt ctt gtc ttt cca gtt gtg aga caa act ccc aca cag 875  
75 Leu Ile Leu Phe Leu Val Phe Pro Val Val Arg Gln Thr Pro Thr Gln  
76 -10 -5 -1 1  
77 cac ttt aaa aat cag ttc cca gct ctg cac tgg gaa cat gaa cta ggc 923  
78 His Phe Lys Asn Gln Phe Pro Ala Leu His Trp Glu His Glu Leu Gly  
79 5 10 15 20  
80 ctg gcc ttc acc aag aac cga atg aac tat acc aac aaa ttc ctg ctg 971  
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85 40 45 50  
86 ggg atg acc tct gag tgc agt gaa atc aga caa gca ggc cga cca aac 1067  
87 Gly Met Thr Ser Glu Cys Ser Glu Ile Arg Gln Ala Gly Arg Pro Asn  
88 55 60 65  
89 aag cca gac tcc atc act gtg gtc atc acc aag gta aca gac agc tac 1115  
90 Lys Pro Asp Ser Ile Thr Val Val Ile Thr Lys Val Thr Asp Ser Tyr  
91 70 75 80  
92 cct gag cca acc cag ctc ctc atg ggg acc aag tct gta tgc gaa gta 1163  
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94 85 90 95 100

Input Set: I246129A.RAW

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 96 Gly Ser Asn Trp Phe Gln Pro Ile Tyr Leu Gly Ala Met Phe Ser Leu  
 97 105 110 115  
 98 caa gaa ggg gac aag cta atg gtg aac gtc agt gac atc tct ttg gtg 1259  
 99 Gln Glu Gly Asp Lys Leu Met Val Asn Val Ser Asp Ile Ser Leu Val  
 100 120 125 130  
 101 gat tac aca aaa gaa gat aaa acc ttc ttt gga gcc ttc tta cta 1304  
 102 Asp Tyr Thr Lys Glu Asp Lys Thr Phe Phe Gly Ala Phe Leu Leu  
 103 135 140 145  
 104 taggaggaga gcaaataatca ttatataaaa gtcctctgcc accgagttcc taattttctt 1364  
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 106 gggacaacgg ttttagctatg aaattttgggg ccaaaaatttc acacttcatg tgccttactg 1484  
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 111 aaggaagct cttagaaacaa gtataaaattt tcagaggccaa aatccttcac caattttcc 1784  
 112 acatacttc atgccttgcc taaaaaaaaat gaaaagagag ttggtagtgc tcatgaatgt 1844  
 113 tcacacagaa ggagttgggtt ttcatgtcat ctacagcata tgagaaaagc tacctttctt 1904  
 114 ttgattatgt acacagatata ctaataagg aagtttgagt ttacatgttataccaaat 1964  
 115 acaacagttt cttgttattca gttagagttt cttggcccacc tattttgtgc tgggttctac 2024  
 116 cttaaccagg aagacactat gaaaaacaag acagactcca ctcaaaaattt atatgaacac 2084  
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 121 ccgaggcaga anaattnctt gaactgggg agcagaggtt gctgttgc cagancgcgc 2384  
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 131 -10 -5 -1 1 5  
 132 Phe Lys Asn Gln Phe Pro Ala Leu His Trp Glu His Glu Leu Gly Leu  
 133 10 15 20  
 134 Ala Phe Thr Lys Asn Arg Met Asn Tyr Thr Asn Lys Phe Leu Ile  
 135 25 30 35  
 136 Pro Glu Ser Gly Asp Tyr Phe Ile Tyr Ser Gln Val Thr Phe Arg Gly  
 137 40 45 50  
 138 Met Thr Ser Glu Cys Ser Glu Ile Arg Gln Ala Gly Arg Pro Asn Lys  
 139 55 60 65  
 140 Pro Asp Ser Ile Thr Val Val Ile Thr Lys Val Thr Asp Ser Tyr Pro  
 141 70 75 80 85  
 142 Glu Pro Thr Gln Leu Leu Met Gly Thr Lys Ser Val Cys Glu Val Gly  
 143 90 95 100  
 144 Ser Asn Trp Phe Gln Pro Ile Tyr Leu Gly Ala Met Phe Ser Leu Gln

Input Set: I246129A.RAW

145 105 110 115  
146 Glu Gly Asp Lys Leu Met Val Asn Val Ser Asp Ile Ser Leu Val Asp  
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157 Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe  
158 35 40 45  
159 Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Phe Pro  
160 50 55 60  
161 Arg Asp Leu Ser Leu Ile Ser Pro Leu Ala Gln Ala Val Arg Ser Ser  
162 65 70 75 80  
163 Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro  
164 85 90 95  
165 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu  
166 100 105 110  
167 Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser  
168 115 120 125  
169 Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly  
170 130 135 140  
171 Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala  
172 145 150 155 160  
173 Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro  
174 165 170 175  
175 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu  
176 180 185 190  
177 Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu  
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190 20 25 30  
191 Gln Gly Leu Pro Gly Val Gly Leu Thr Pro Ser Ala Ala Gln Thr Ala

Input Set: I246129A.RAW

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196 Arg Gln His Pro Lys Met His Leu Ala His Ser Thr Leu Lys Pro Ala
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198 Ala His Leu Ile Gly Asp Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg
199          65          70          75          80
200 Ala Asn Thr Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn
201          85          90          95
202 Asn Ser Leu Leu Val Pro Thr Ser Gly Ile Tyr Phe Val Tyr Ser Gln
203          100         105         110
204 Val Val Phe Ser Gly Lys Ala Tyr Ser Pro Lys Ala Thr Ser Ser Pro
205          115         120         125
206 Leu Tyr Leu Ala His Glu Val Gln Leu Phe Ser Ser Gln Tyr Pro Phe
207          130         135         140
208 His Val Pro Leu Leu Ser Ser Gln Lys Met Val Tyr Pro Gly Leu Gln
209          145         150         155          160
210 Glu Pro Trp Leu His Ser Met Tyr His Gly Ala Ala Phe Gln Leu Thr
211          165         170         175
212 Gln Gly Asp Gln Leu Ser Thr His Thr Asp Gly Ile Pro His Leu Val
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214 Leu Ser Pro Ser Thr Val Phe Phe Gly Ala Phe Ala Leu
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224          20          25          30
225 Leu Leu Ala Val Pro Ile Thr Val Leu Ala Val Leu Ala Leu Val Pro
226          35          40          45
227 Gln Asp Gln Gly Gly Leu Val Thr Glu Thr Ala Asp Pro Gly Ala Gln
228          50          55          60
229 Ala Gln Gln Gly Leu Gly Phe Gln Lys Leu Pro Glu Glu Glu Pro Glu
230          65          70          75          80
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233 Leu Lys Gly Gln Gly Leu Gly Trp Glu Thr Thr Lys Glu Gln Ala Phe
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236          115         120         125
237 Gln Asp Gly Leu Tyr Tyr Leu Tyr Cys Leu Val Gly Tyr Arg Gly Arg
238          130         135         140
239 Ala Pro Pro Gly Gly Asp Pro Gln Gly Arg Ser Val Thr Leu Arg
240          145         150         155          160
241 Ser Ser Leu Tyr Arg Ala Gly Gly Ala Tyr Gly Pro Gly Thr Pro Glu
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Input Set: I246129A.RAW

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